PLANNING AND SCHEDULING DIPLOMA

INTRODUCTION TO CONSTRUCTION MANAGEMENT

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WHAT IS PROJECT MANAGEMENT?

- Project Management is the application of knowledge, skills, tools, and techniques to project activities to meet project requirements.

- Due to the potential change, the development of the project management plan is an **iterative** activity and is **progressively elaborated** throughout the project's life cycle.

WHAT IS PROJECT?

- "A project is a temporary endeavor undertaken to create a unique product, service, or result."

  PMBOK (Project Management Body of Knowledge)

- Examples from various disciplines:
  - Developing a new product or service.
  - Designing a new transportation vehicle.
  - Constructing a building or facility.

TRIPLE CONSTRAINT

- To be successful project manager, These constraints shall be effectively monitored:
  - Cost.
  - Schedule.
  - Quality.

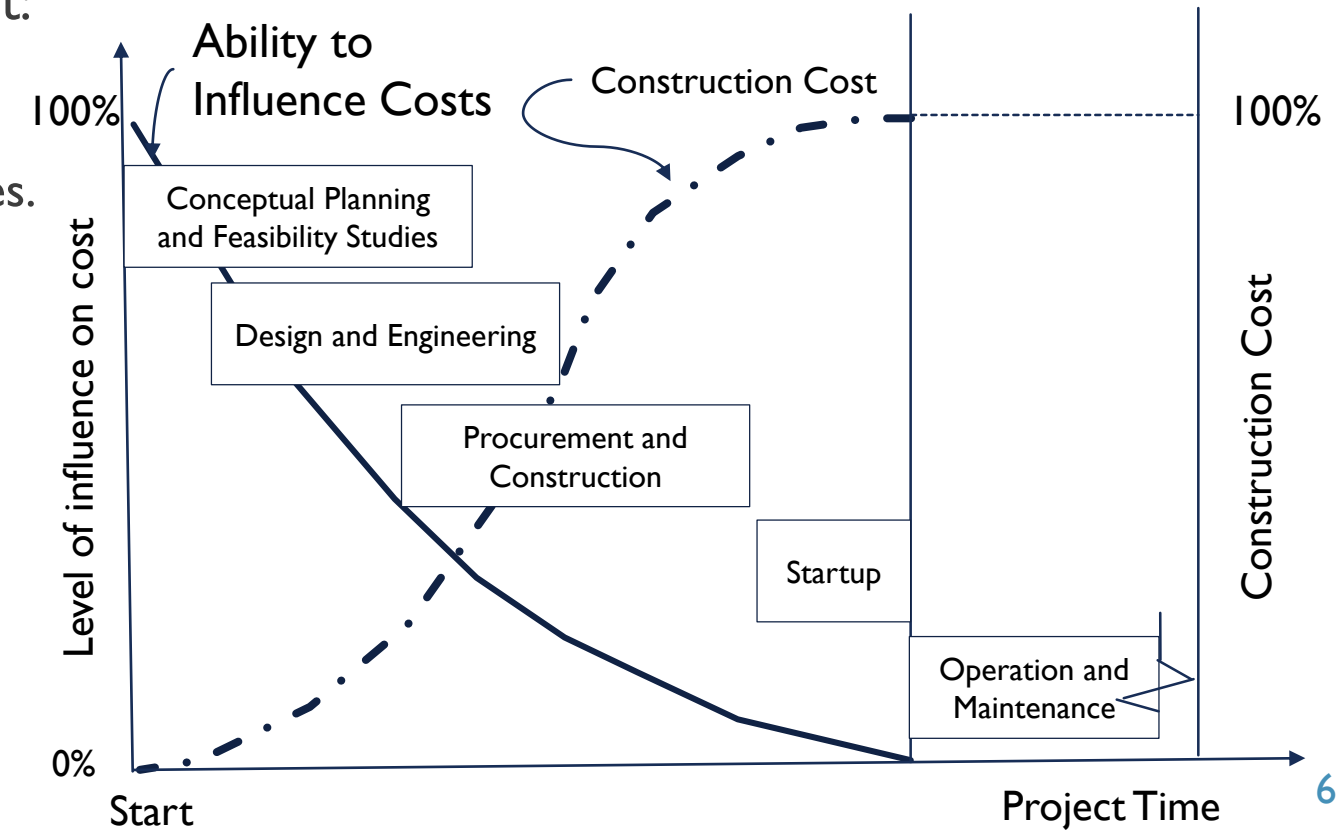
CONSTRUCTION PROJECTS STAKEHOLDERS

- A stakeholder is a party that has an interest in a company, and can either affect or be affected by the business, who can be:

  - Employer/Owner.
  - Engineer/Consultant.
  - General Contractor
  - Sub-contractor.
  - Supplier.
  - Regulatory & Approval Agencies.

CONSTRUCTION PROJECTS STAGES

- Typical phases in a construction project:
  - Conceptual Planning & Feasibility Studies.
  - Design & Engineering.
  - Procurement.
  - Construction.
  - Start-up and Implementation.
  - Operation and Maintenance.



THANKS FOR WATCHING